Kids In Micro-g! Proposal Evaluation Rubric

	3	2	1	0	Score
Microgravity and Feasibility	Experiment will demonstrate a significant difference in microgravity and needs no modifications.	Experiment will demonstrate a significant difference in microgravity with a few modifications.	Experiment will demonstrate minimal difference in microgravity and will need several modifications.	Experiment will not demonstrate a difference in microgravity and needs significant modifications.	
Experiment Design	Design shows student has analyzed the problem and has designed and conducted a thoughtful experiment. Demonstrates a clear understanding of the scientific process.	Design shows student grasps the basic idea of the scientific process.	Design shows student has a minimal understanding of the scientific process.	Design shows student has no understanding of scientific process.	
Experiment Proposal Submission	Follows all contest requirements/guidelines.	Follows most contest requirements/guidelines.	Follows few contest requirements/guidelines.	Follows no contest requirements/guidelines.	
Materials	Utilizes only materials included on the materials list.			Utilizes materials not included on the materials list.	
Background	Research is thorough, specific and has many examples. Shows clear connections to classroom studies.	Research has some specifics and a couple of examples. Shows some connections to classroom studies.	Research has little specifics and one example. Show few connections to classroom studies	Research has no specifics and no example. Shows no connections to classroom studies.	
Problem and Hypothesis	Problem is new, meaningful and well researched.	Problem is addressed and researched.	Problem is somewhat addressed and somewhat researched.	Problem is not stated and research is unclear.	
Procedure	Procedure is detailed, appropriate and thorough. Steps of procedure are listed and sequential.	Procedure is appropriate and thorough. Steps of procedure are listed and mostly sequential.	Procedure is inappropriate. Steps of procedure are mostly listed.	Procedure is inadequate. A few steps of procedure are listed and are not sequential.	
Data Analysis and Conclusions	Conclusions based on the ground experiment are supported by the data. Specific questions and/or data requests for the ISS crew are included. Predictions of how the experiment will operate on the ISS are included.	Conclusions based on the ground experiment are minimally supported by the data. General questions and/or data for the ISS crew are included. Contains a prediction of how the experiment will operate on the ISS.	Few conclusions based on the ground experiment are provided. Few questions and/or data requests for the ISS crew are included. Contains no predictions of how the experiment will operate on the ISS.	No conclusions based on the ground experiment are provided. No questions and/or data requests are made of the ISS crew. Contains no predictions of how the experiment will operate on the ISS.	
				Total Score:	